

Abstract

The systems and methods described herein include among other things, systems for providing a block level data storage service. More particularly, the systems and methods of the invention provide a block level data storage service that provides differentiated pools of storage
5 on a single storage device. To this end, the systems and methods described herein leverage the different performance characteristics across the logical block name (LBN) space of the storage device (or devices). These different performance characteristics may be exploited to support two or more classes of storage on a single device.